

The 9000sMZ Vibrating Microtome sets a new standard in precision tissue sectioning, designed to meet the rigorous demands of (including but not restricted to) neuroscience, cardiac, lung, liver and plant research. Featuring state-of-the-art vibration control technology, it delivers exceptionally uniform, and artifact-free sections, preserving even the most delicate cellular structures. With adjustable blade oscillation, adjustable amplitude settings, and high-resolution control of advance speed, researchers can achieve *unparalleled consistency and precision* across a diverse range of sample types.

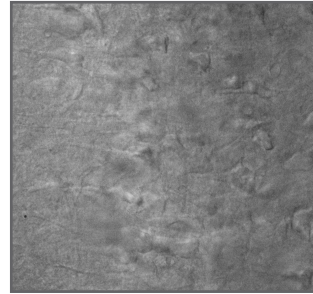


9000sMZ Touchscreen control

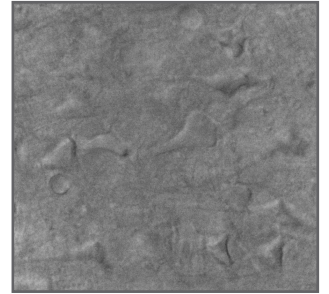
Designed for *maximum usability and efficiency*, the 9000sMZ incorporates a high-resolution, intuitive touchscreen interface, providing real-time control over cutting parameters that allows for fine-tuned adjustments with *unmatched accuracy and reproducibility*. Fully customisable settings that can be stored for future use further enhances versatility, making it ideal for both high-throughput applications and specialised research needs.

A key innovation of the 9000sMZ is its user-updatable firmware, ensuring your microtome *stays at the forefront of technology*. With planned regular software enhancements and feature upgrades, researchers can *continuously optimise performance* and integrate the latest advancements without the need for costly hardware replacements.

Slices taken from 9 month-old rats



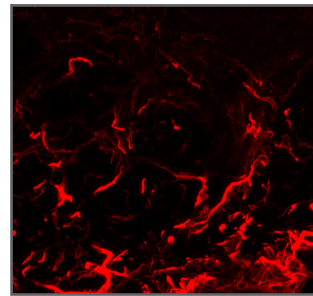
Area CA1



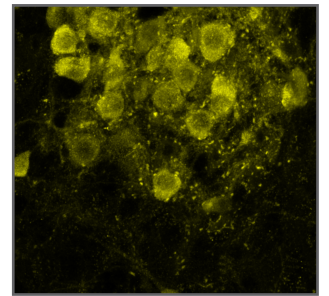
Entorhinal Cortex

Immunohistochemistry

Taken from Brainstem of 6 - 8 month mice



Glial fibrillary acidic protein
(GFAP)+ astroglia



Choline acetyltransferase
(ChAT)+ neurons

Unlike conventional microtomes, the 9000sMZ is built for user serviceability, minimizing downtime with easy maintenance and ensuring long-term reliability. Engineered for durability and precision, it *delivers consistent, high-quality results*, making it an essential instrument for advanced research environments.

Key Features

- Extended amplitude range alongside a range of blade vibration frequencies.
- Unprecedented blade accuracy.
- Advance speed resolution of 0.01mm/s.
- Intuitive touchscreen interface with help function.
- Modular design with user-updatable firmware.

9000SMZ

VIBRATING MICROTOME

A CUT ABOVE THE REST



Featuring multifunction touch screen control,
enabling **greater precision** and **simplification** of
experiments